

AMENDMENTS TO THE SPECIFICATION:

Please replace the Abstract with the following replacement Abstract:

~~--A method for measuring distance~~ Distance and velocity measuring at a plurality of objects using FMCW radar includes repeating ~~, in which measurements are repeated~~ eyelically using at least two different frequency ramps and including mixing ~~, in each measurement, the transmitted and received signals~~ signal is mixed with the received signal, and recording the spectrum of the mixed signal's spectrum. A signal is recorded, in a matching procedure includes recording spectra ~~[[, the]] peaks that are in the spectra recorded for various ramps, if belonging and that belong to the same object, allocating them are allocated to each other, and calculating the distances and velocities of the objects are calculated from [[the]] peak frequencies.~~ A of the peaks, and in a tracking procedure includes identifying with one another ~~[[, the]] objects measured at various times are identified with one another based on the basis of the distance and velocity consistency of their distance and velocity.~~ Each data, wherein each measuring cycle includes less not more than four ~~[[three]] measurements with different frequency ramps. For [[, for]] each plausible two peak combination of two peaks, of which one was recorded, respectively, during [[a]] first measurement and the other was recorded during a second measurements measurement of a the same cycle, [[the]] distance and [[the]] velocity of one possible object represented by these peaks are calculated.~~ A measurement's anticipated result ~~, the anticipated result of at least one further measurement is calculated from [[the]] distance and [[the]] velocity of the possible object, and the possible object is discarded if an at least one anticipated result does not agree with the measured result.--.~~